SHEET 1 of 2

PTO/SB/08A (AW 4/25/03) (04-03)
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## INFORMATION DISCLASURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/017,965		
Filing Date	December 7, 2001		
First Named Inventor	Mitsuaki OSHIMA, et al.		
Art Unit	2137		
Examiner Name	Paul E. Callahan		
Attorney Docket No.	MTS-520US4		

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		Document Number			Pages, Columns, Lines, Where
Examiner Initials*	Cite No. <sup>1</sup>	Number - Kind Code <sup>2 (If known)</sup>	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
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		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date (MM-DD-YYYY)	Applicant of Cited Document	Passages or Relevant Figures Appear	T
PC		JP 01-243237 A (with English abstract)	09/27/89	RICOH CO LTD		
PC		EP 0 520 619 A	12/30/92	PIONEER ELECTRONIC CORP		[
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Examiner	T	0 0 0 11 1		Date	61,16	

EXAMINER: Initial if reference Considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this

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'Applicant's unique dictation designation number (optional).

'See Kind Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04.

'Enter Office that Issued the document, by the two-letter code (WIPO Standard St.3).

'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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'Applicant is to place a check mark here if English language translation is attached in the document of the patent document in the USPTO to process) an application of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandriq, VA 22313-1450.

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SHEET 2 of 2

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Art Unit	2137	
Examiner Name	Paul E. Callahan	
Attorney Docket No.	MTS-520US4	

	••	NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
PC		European Search Report for EP 04020082, dated October 6, 2004.	
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Examiner Signature		Paul Callahan Date Considered 6/1/06	

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SHEET 1 of 1

## INFORMATION DISCOSSIRE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 10/017,965

Filing Date December 7, 2001

First Named Inventor Mitsuaki OSHIMA, et al.

Art Unit 2137

Examiner Name Paul E. Callahan

Attomey Docket No. MTS-520US4

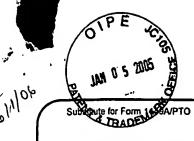
		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
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pc		Japanese Official Action for JP 2002-235949, date mailed September 28, 2004, with English translation.	Ø
PC		"Outline of Barcode Symbol", (see "JAN code standard" at <a href="http://www.barcode.ne.jp/about_barcode/code/index.html">http://www.barcode.ne.jp/about_barcode/code/index.html</a> , with English translation.	Ø
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Examiner Signature		Paul Callahan Date Considered 6/1/06	٠

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(Use as many sheets as necessary)

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First Named Inventor	Mitsuaki Oshima, et al.			
Art Unit	2137			
Examiner Name	Paul E. Callahan			
Attorney Docket No.	MTS-520US4			

	U.S. PATENT DOCUMENTS					
<b>5</b>		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
Examiner Initials*	Cite No.1	Number - Kind Code <sup>2 (If known)</sup>	(MM-DD-YYYY)	Applicant of Cited Document	Figures Appear	
PC		US-5,309,421 (w/ counterpart CN 1059222A)	05-03-1994	FUJISAWA, Hirotoshi		
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FOREIGN PATENT DOCUMENTS						
		Foreign Patent Document	Bublishing Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
Examiner Initials*	Cite No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date (MM-DD-YYYY)	Applicant of Cited Document	Figures Appear	T6
PC		CN 1059222A (w/counterpart U.S. 5,309,421)	03-04-1992	wei, wang		
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Examiner Signature	Paul	Callahan	Date Considered	6/1/06

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<sup>1</sup>Applicant's unique citation designation number (optional).

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For Japanese patent document, the indication of the year of the Emperor must precede the serial number of the patent document.

Substitute for Form 1449B/PTO		Complete If Known	
	Application Number	10/017,965	
INFORMATION DISCLOSURE	Filing Date	December 7, 2001	
STATEMENT BY APPLICAN	First Named Inventor	Mitsuaki Oshima, et al.	
(Use as many sheets as necessary)	Art Unit	2137	
	Examiner Name	Paul E. Callahan	
SHEET 2 of 2	Attorney Docket No.	MTS-520US4	

**NON-PATENT LITERATURE DOCUMENTS** 

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
pe		Chinese Official Action for CN 1059222A, date issued November 26, 2004 with English translation	Ø
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Examiner Signature		Paul (allahan Date Considered 6/1/06	$\overline{}$

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